

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM



**Sri Dharmasthala Manjunatheswara College of Engineering &
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(Autonomous Institution under Visvesvaraya Technological University, Belgaum-590 018)



Project On

**TRAIN TRACKING WITH LOCATION DISPLAY
USING GLOBAL POSITIONING SYSTEM**

Sponsored by K.S.C.S.T, Bangalore

Under the Guidance of

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ABSTRACT

We intend to locate the train and display the corresponding station name to passengers. It would be a great boon if we are able to get the exact position of a train at any instant and display it to the passengers inside the coaches.

During night journey passengers are not aware of the station that is going to arrive. Due to the lack of any kind of indication system, passengers are put into inconvenience. This problem can be overcome by GPS technology where a satellite continuously tracks the motion of the train and that can be displayed in the coaches.

The system receives the signal from GPS module, performs a validation check on received data and displays the present station name, stoppage time of the present station, time required to reach the next station, present time and the next station name on the LCD segment.